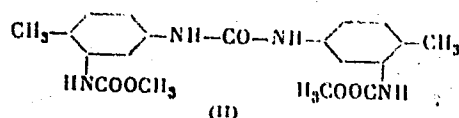


Concerning the Reactions of 2,4-Toluylene  
Diisocyanate With Water.

77894

SOV/79-30-2-45/78

Only melting temperatures were given for the compounds and structural formulas were not substantiated by experiments. The authors found that the above reaction yields a mixture of compounds, the melting temperature of which differs from the one given in patents by 5 to 10° C. The compound which by its chemical composition corresponds to 3,3'-diisocyno-4,4'-dimethylcarbanilide (I) was treated with methanol and converted to corresponding diurethane (II) (mp 220-220.5° C).



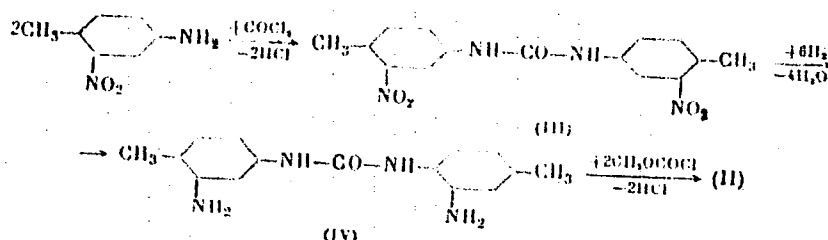
An identical urethane was obtained by parallel synthesis according to the following diagram.

Card 2/4

Concerning the Reactions of 2,4-Tolylene Diisocyanate With Water

77894

SOV/79-30-2-45/78



The urea derivative (IV) with amino groups in 3,3' position was not previously described in the literature. Authors obtained (IV) (mp 230 ° C) by reducing (III) with hydrogen in the presence of Raney nickel. The diamine (IV) was treated with methyl chloroformate to yield corresponding diurethane which was identical with the diurethane obtained from (I). This proves the structure of (I). There are 4 references, 1 Soviet, 2 U.S., and 1 French. The U.S. references are: U.S. Patent 2757185, 2757184; D. Simons, R. Arnold, J. Am.

Card 3/4

Concerning the Reactions of 2,4-Toluylene  
Diisocyanate With Water

77894

SOV/79-30-2-45/78

Chem. Soc., 78, 1658 (1956).

ASSOCIATION: Scientific Research Institute of Organic Intermediates  
and Dyes imeni K. Ye. Voroshilov (Nauchno-issledovatel'-  
skiy institut organicheskikh poluproduktov i krasiteley  
imeni K. Ye. Voroshilova)

SUBMITTED: October 20, 1958

Card 4/4

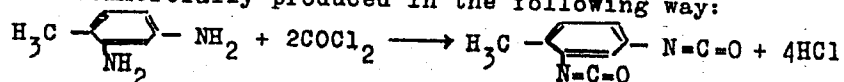
S/064/61/000/001/004/011  
B110/B215

AUTHORS: Khmel'nitskaya, I. L., Gutorko, A. V., Shikhireva, L. I.,  
Stroyesku, A. K.

TITLE: Technological problems of synthesizing 2,4- and 2,6-toluylene  
diisocyanate

PERIODICAL: Khimicheskaya promyshlennost', no. 1, 1961, 18-21

TEXT: Diisocyanates required for the production of polyurethane, such as  
2,4-toluylene diisocyanate and a mixture of 2,4- and 2,6-diisocyanates,  
are commercially produced in the following way:

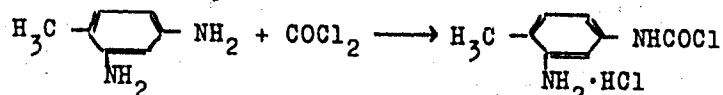


By applying the continuous method, the yield is increased from 65% to 80%  
as compared to the pericdic method. Time-consuming cleaning of the  
apparatus becomes necessary due to the formation of adhesive resins in  
the reaction. The authors studied the influence of various factors on  
diisocyanate and the formation of resin, and the possibilities of using  
Card 1/6

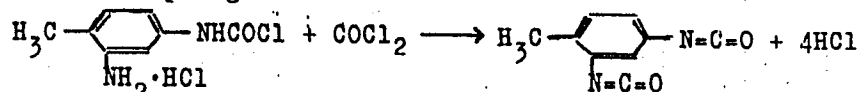
Technological problems of...

S/064/61/000/001/004/011  
B110/B215

up and removing resin residues for improving the above method. To eliminate side reactions, phosgene treatment is first carried out at low temperatures (0 to 5°C). To eliminate the formation of urea derivatives, toluylene diamine is added to a solution of excessive phosgene in  $o\text{-C}_6\text{H}_4\text{Cl}_2$  or  $\text{C}_6\text{H}_5\text{Cl}$ . The following reaction takes place:



By a temperature increase to more than 100°C, diisocyanate forms under the influence of phosgene:



The authors studied the addition of toluylene diamine dissolved (I) or suspended (II) to an inert solvent during the continuous method. In (I) the diamine was dissolved in  $\text{C}_6\text{H}_5\text{Cl}$ , heated to 90 to 95°C, and added to the solution of phosgene in  $\text{C}_6\text{H}_5\text{Cl}$  which had been cooled down to -10°C.

Card 2/6

Technological problems of...

S/064/61/000/001/004/011  
B110/B215

In (II), diamine dissolved in  $C_6H_5Cl$  was cooled down to  $0^{\circ}C$  under constant stirring. The limpid liquid changed into a coarse suspension which was pulverized in the ball mill for 7-8 hr. Degree of dispersion and homogeneity of the suspension were studied under the microscope. At  $0^{\circ}C$ , the suspension was added to the  $-10^{\circ}C$  solution of phosgene; this caused a rise in temperature of up to  $-5^{\circ}C$ . In (I) and (II), phosgene treatment was continued at  $120^{\circ}C$ . The process was finished after the residue had disappeared.  $HCl$  and  $COCl_2$  were blown off by  $N_2$ , and solvent and diisocyanate were separated by fractionation. The isocyanate groups of the final product were determined by condensation of diethylamine. The nitrogen content of the resin was microanalytically determined according to Dumas. In solution (I) larger solid particles formed in the first part of phosgene treatment, due to partial overheating. For suspension (II), the dependence of resin formation on the size of particles is given in a table. With particle sizes  $< 10\mu$ , the suspension contains no larger solid particles, and the formation of resin is reduced to 15%, as compared to 22 to 32% in solution (I). Aqueous grinding therefore yielded a sufficient degree of dispersion and particle homogeneity at high suspension density. The

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Technological problems of...

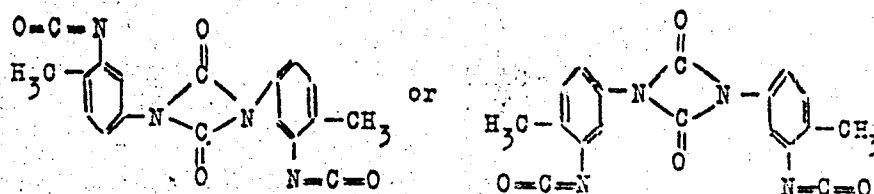
S/064/61/000/001/004/011  
B110/B215

decomposition of the resin particles into toluylene diamine can only be carried out with aqueous alkali and under pressure, whereas they can be transformed into diisocyanate by distillation at 215°C and 1 to 80 mm Hg in high-boiling naphthene oil. For the latter process, however, an oil that is stable up to 300°C, a high vacuum, and filtering are required. The authors worked without solvents. After the distillation of diisocyanate at 105 to 107°C and 3 to 7 mm Hg, 16.5% of N<sub>2</sub> were microanalytically determined in the resin residue (38 to 40 percent by weight of the distilled diisocyanate) according to Dumas. Diisocyanate vapors were separated from the residue in the vacuum apparatus at 3 to 7 mm Hg and slowly increasing temperature. At 170 to 180°C it puffed up and hardened. Vapor separation stopped between 280 and 300°C. The residue, a dry, brittle, porous substance, was easily removable after cooling it in the N<sub>2</sub>-current. Its nitrogen content was 16.4%. The authors assume that the original residue, besides the not distilled monomers, also contained the following dimer:

Card 4/6

Technological problems of...

S/064/61/000/001/001/011  
B110/B215



which decomposes into the monomer at 175°C. The second residue consists of high-polymer compounds. There are 1 table and 6 references: 2 non-Soviet-bloc.

Card 5/6



Technological problems of...

Legend to the Table: yield of diisocyanate and resin particles by adding emulsions, 1) particle size  $\mu$ , 2) yield, %, 3) toluylene diisocyanate, 4) resin particles, 5) mixture of 2,4- and 2,6-toluylene diamine, 6) toluylene diamine.

S/064/61/000/001/001/011  
B110/B215

1) Размер частиц μ	2) Выход, %	
	3) Толуленди- изоцианата	4) Иммонистых тримесей**
5) Смесь 2,4- и 2,6-толулендиаминов		
≤ 10	79,8	15,1
≤ 50	70,0	21,8
≤ 300	65,6	24,4
6) 2,4-Толулендиамин		
≤ 10	78,3	15,2
≤ 300	67,0	19,1

Card 6/6

KHMEL'NITSKAYA, I.L.; SERGEYEVA, Z.I.

Effect of sulfur dyes on the strength of cotton fabrics. Tekst.  
prom. 21 no.2:52-54 Ja '61. (MIRA 14:3)  
(Sulfide dyes) (Cotton fabrics)

SERGEYEVA, Z.I.; KHMEI'NITSKAYA, I.L.

Protective properties of cyanamide polymers. Tekst. prom. 21  
no. 4:45-47 Ap '61. (MIRA 14:7)  
(Cyanamide) (Dyes and dyeing--Cotton)

VOSTOKOV, Aleksey Izmaylovich; LKPEISHIN, Ivan Pavlovich; YKPISHIN, A.S.,  
inzhener, retsentsent; KHMEL'NITSKAYA, Kh.Z., redaktor; CHEBYSEVA,  
Ye.A., tekhnicheskiy redaktor.

[Production of sugar from beets] Preizvedstve sakhara iz svekly.  
Moskva, Pishchepromizdat. №.1 [ General description of the sugar  
beet industry] Obshchee opisanie sveklosakharnogo preizvedstva.  
1955. 102 p. (Sugar industry) (MIRA 9:5)

KOMAROV, Avramiy Fedorovich; KOLOSKOV, Sergey Pavlovich; KUZNETSOV, N.M.,  
spetsredaktor; KHMELENIYSKAYA, Kh.Z., redaktor; SEREGIN, P.V.,  
kandidat tekhnicheskikh nauk, retsentsent; KISINA, Ye.I., tekhnicheskiy redaktor.

[Mechanization of labor consuming operations in distilleries]  
Mekhanizatsiya trudoemkikh rabot na spirtovykh zavodakh. Moskva, Pishchepromizdat, 1957. 173 p. (MIRA 10:6)

(Distilling industries)

KRAPIVNER, V.S.; KHMEL'NITSKAYA, K.K.

Condition of the cardiovascular system in endarteritis obliterans of the lower extremities. Sov.med. 20 no.5:54-58 My '56. (MLRA 9:9)

1. Iz otdeleniya funktsional'noy diagnostiki (zav. V.S.Krapivner) polikliniki imeni F.M.Dzerzhinskogo (glavnyyvrach I.G.Karakazov, nauchnyy rupoveditel' - prof. A.N.Berinskaya) Ministerstva neftynoy promyshlennosti SSSR.

(ENDARTERITIS OBLITERANS, complications, cardiovasc. dis., systemic, in endarteritis of leg (Rus))  
(CARDIOVASCULAR SYSTEM, in various diseases, endarteritis obliterans of lower extremities with systemic cardiovasc. manifest. (Rus))

KONSTANTINOV, A.; ALEKSANDROV, L.; KHMEL'NITSKAYA, L., red.;  
SINYUKHIN, V., tekhn. red.

[Guide to the exhibition of Achievements of the National  
Economy of the U.S.S.R.] Putevoditel' vystavki dostizhenii  
narodnogo khoziaistva SSSR. Moskva, Otdel informatsii i  
pechati VDNKh SSSR, 1962. 74 p. (MIRA 17:2)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.

GAL'PERIN, Yu.; KHMELE'NITSKAYA, L., red.

[Miracles are created by people; guide] Chudesa tvoriat liudi;  
putevoditel'. Moskva, TSintielektroprom, 1962. 78 p.

(MIRA 15:8)

(Moscow--Exhibitions) (Technological innovations)



PISARZHEVSKIY, O.N.; KHMELEVNITSKAYA, L., red.; MAYOROV, V., tekhn.  
red.; SINYUKHIN, V., tekhn. red.

[Science on the march] Nauka na marsh; putevoditel'-ocherk.  
[By] O.Pisarzhevskii. Moskva, Gostoptekhizdat, 1962. 40 p.  
(MIRA 15:12)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.  
(Moscow--Exhibitions) (Technological innovations)  
(Research)

KHMEI'NITSKAYA, L.L.

Disorders of cardiac rhythm and their treatment. Sov. zdrav. Ki. no.3:  
49-54 My-Je '62. (MIRA 15:5)

1. Iz kafedry propedevticheskoy terapii (zav. - dotsent M.M.Mirzakhimov)  
Kirgizskogo gosudarstvennogo meditsinskogo instituta.  
(ARRHYTHMIA)

KHMEL'NITSKAYA, M.I.

Representation of desert vegetation on a 1 : 25000 topographic map.  
Geod. i kart. no.1:40-45 Ja '64. (MIRA 17:9)

KHMEI'NITSKAYA, P.I.

Selecting the height of a section in the representation of sand relief  
on 1:25,000 scale maps. Geod. i kart. no.7:55-62 JI '64.

(MIRA 17:12)

GOLOVATYY, R.M. [Holovaty, R.M.]; KHMEI'NITSKAYA, N.M. [Khmel'nyts'ka, N.M.]

Concentration of traces of heavy metals from natural waters  
by the cationite method. Nauk.zap.L'viv.un. 46:141-144 '58.  
(MIRA 12:7)

(Ion exchange) (Water--Analysis)

KHMEL'NITSKAYA, N.M. [Khmel'nyts'ka, N.M.]; ZEMLIANSKIY, M.I.  
[Zemlians'kyi, M.I.], dots., otv. red.; KVITKO, I.S.,  
red.

[Organic chemistry] Organichna khimii. L'viv, Vyd-vo  
L'vivs'koho univ., 1965. 347 p. (MIRA 18:9)

BLYUMBERG, V.A., inzh.; KIMEN'NITSKAYA, N.Ye., inzh.

Intensified drying of the windings of electrical machines.  
Elektrotekhika 35 no.5:39-40 My'64 (MIRA 17:8)

BLYUMBERG, V.A., inzh.; KHMEI'NITSKAYA, N.Ye., inzh.

Drying of the windings of electrical machines after saturation with  
water emulsion lacquers. Vest. elektroprom. 34 no.5:11-15 My  
'63. (MIRA 16:5)

(Electric machinery--Windings) (Electric machinery--Drying)



*KH MEL'NITSKAYA, P. A.*

MUKHINA, T.G.; SKROBUT, S.A.; ~~KH MEL'NITSKAYA, P.A.~~; SHPAYER, A.L., redaktor;  
PANOVA, L.Ya., tekhnicheskii redaktor

[How production costs were cut; Igubertay silicate brick factory]  
Kak snizhalas' sebestoimost' produktii; Liuberetskii zavod sili-  
katnogo kirpicha. Moskva, Gos. izd-vo lit-ry po stroit. materialam,  
1956. 34 p. (MIRA 10:4)

(Igubertay--Brickmaking)

**KHMEI'NITSKAYA, R., inzh.; RASKOVALOV, A.**

Creating a central photographic laboratory. Prom.koop. 14  
no.2:27 F '60. (MIRA 13:5)

1. Otdel bytovogo obslushivaniya gorpromsoвета, Sverdlovsk  
(for Khmel'nitskaya). 2. Tekhnicheskij rukovoditel' arteli  
"Fotoob'yedineniye," Sverdlovsk (for Raskovalov).  
(Sverdlovsk--Photography--Studios and dark rooms)

1ST AND 2ND DEGREE										3RD AND 4TH DEGREE									
<div style="display: flex; justify-content: space-between;"> <div> <p><b>KAMEL'NITSKAYA</b></p> <p>ca</p> </div> <div> <p>Welded seams of chromium steel. V. I. Eramov and K. B. Kamel'nitskaya. <i>Khim. Mashinostroyeniya</i> 9, No. 8-9, 27-30 (1966). Data are given for obtaining high-quality welded seams in chem. app. with steel Zh-17 contg. 0.3-0.8, Mn 0.3-0.7 and Cr 16-19%. Strong welds with high chem. resistance may be obtained by using electrodes contg. C 0.14, Cr 19.66 and Ni 0.80% (steel Zh-17) and a paste contg. marble 25, CaF<sub>2</sub> 30, Fe-Ti (22% Ti and 2% C) 20, and Al dust 10 parts. The seams should be tempered at 700-800° in order to change from the two-phase structure of low chem. stability to single-phase structure of high chem. stability.</p> <p>B. Z. Kamich</p> </div> <div> <p>7</p> </div> </div>																			
<div style="display: flex; justify-content: space-between;"> <div> <p>ASH-22A METALLURGICAL LITERATURE CLASSIFICATION</p> </div> <div> <p>ROOM NUMBER</p> </div> </div>																			
<p>ROOM NUMBER</p>										<p>ROOM NUMBER</p>									

COMMON ELEMENTS		CORROSION RESISTANCE		CORROSION PROPERTIES INDEX	
<p><i>Khmel'Nitskaya, R. D.</i> <i>CA</i></p>		<p><b>Corrosion resistance of aluminum WSTs in nitric acid</b> R. D. Khmel'Nitskaya, <i>Korrozija i Bortsa</i> Vol 7, No. 3, 20-23 (1961).—Al is particularly suitable for app. in the N industry as it is extremely resistant to attack by HNO<sub>3</sub>. Sheet Al, 5 and 10 mm. thick, contg. 0.48-0.67% Si + Fe, and in part of the expts. a special Al contg. 0.002% Cu 0.00% Si, and 0.000% Fe, were oxy-acetylene welded. The samples were tested as welded, as penced, as penced and annealed at 300°, and as penced and H<sub>2</sub>O-quenched from 300°. The greatest attack was noted in 15, and 50% HNO<sub>3</sub>. At 00° the rate of corrosion was about 20-40 times that at room temp. The usual evaluation by wt. loss was not satisfactory, owing to the local nature of the attack. A qual. evaluation based on the depth and non-uniformity of the attack is recommended. The nonuniform attack was due to the insufficient d. of the weld metal and to micro cracks and enrichment of the Si and Fe/Al segregates in the contact zone. The d. was increased by pencing but at the cost of some loss of corrosion resistance. Heat-treatment at temps. over 300° increased the corrosion resistance. Heat-treatment at 500° gave the min. wt. loss, but produced a large grain size which made the Al dull and rough after corrosion. The most uniform corrosion was observed after annealing at 300°. Increased purity of the welding rod somewhat decreased the wt. loss of the welds but did not eliminate the nonuniformity of attack. For best corrosion resistance, a high-purity welding rod should be used, the pencing should be done with particular attention to the contact zone and the welded joint should finally be heated to 350-400° and cooled in air or H<sub>2</sub>O.</p>		<p><i>J. Z. Briggs</i></p>	
<p>ASB-SLA METALLURGICAL LITERATURE COMPILATION</p>		<p>1961-1962</p>		<p>1961-1962</p>	

PEKARSKAYA, S.L.; KHMEL'NITSKAYA, R.P.

Vascular reactions in a tuberculosis patient during antibacterial  
treatment. Vop. epid. i klin. tub. 5:259-262 '58. (MIRA 14:12)  
(TUBERCULOSIS)

KOGAN, P.Yu.; KHMEL'NITSKAYA, R.S. [Khmel'nyts'ka, R.S.]

Production has to be of excellent quality. Esp.prom. no.3:65-66 Je - Ag  
'62. (MIRA 16:2)

1. Khar'kovskaya mekhovaya fabrika No.1.  
(Kharkov—Fur)

NIKOLAYCHUK, S.; KHMEI'NITSKAYA, S.; RUBCHINSKIY, I.

Progressive work practice. Den. i kred. 21 no.8:49 Ag '63.  
(MIRA 16:9)

(Lyubertsy--Banks and banking)

KHMEI'NITSKAYA, S. A.

Khmei'nitskaya, S. A. "The change in basic metabolism under the effect of surgical intervention," Trudy Krymsk. med. in-ta im. Stalina, Vol. IV, 1948, p. 201-04

BO: U-3850, 16 June 53, (Detopsis 'Zhurnal 'nykh Statey, No. 5, 1949)



KHMEL'NITSKAYA, Vera Vladimirovna; FEDIN, P.Ye., otv. red.;  
ZAKHARUTINA, G., red.

[Group system of raising dam-suckled calves in the Maritime  
Territory] Podsosno-gruppovoe vyrashchivanie molodniaka v  
Primorskom krae. Vladivostok, Primorskoe knizhnoe izd-vo,  
1962. 37 p. (MIRA 17:4)

FRENKEL', Ye.B., kand. tekhn. nauk; KHMEL'NITSKAYA, Ye.G., mladshiy nauchnyy  
sotrudnik; SHAKIDT, G.A., inzh.

Moisturing fur skins by steam-air mixture. Leg. prom. 18 no.5:35-36  
My '58. (MIRA 11:6)

(Fur—Dressing and dyeing)

FRENKEL', YE. B., KHMEI'NITSKAYA, YE. G.

Hides and Skins

Effect of rolling off operations on the shrinkage of sheepskin. Leg, prom., No.3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

ZUBIN, A.M., kand.biolog.nauk; KUZNETSOV, B.A., prof., doktor biolog. nauk; MOSHKOV, A.N., kand.sel'skokhoz.nauk; PURIN, Ya.A., kand. tekhn.nauk; CHATSKIY, P.I., kand.tekhn.nauk; SERGEYEVA, T.A., kand.tekhn.nauk; BARYKIN, A.M., kand.tekhn.nauk; LOSEVA, N.L., kand.tekhn.nauk [deceased]; RUMYANTSEV, M.Z., starshiy nauchnyy sotrudnik [deceased]; LAPIDUS, L.G., starshiy nauchnyy sotrudnik; FRENKEL', Ye.B., kand.tekhn.nauk; KHMEL'NITSKAYA, Ye.G., mladshiy nauchnyy sotrudnik; KATAYEV, V.P., kand.ekonom.nauk; KLYAGINA, N.I., red.; MARTYNOV, S.Y., red.; MINAYEVA, T.M., red.; PLEMYANNIKOV, M.N., red.; KNAKHIN, M.T., tekhn.red.

[Manual on fur and sheep pelt garment manufacture] Spravochnik po mekhovoi i ovchinno-shubnoi promyshlennosti. Vol.2.[Raw materials. Semifinished and final products. Production technology] Syr'e. Polufabrikaty i izdeliia. Tekhnologiya proizvodstva. 1959. 631 p. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut mekhovoy promyshlennosti (NIIMP) (for Rumyantsev, Lapidus).  
(Hides and skins) (Fur--Handbooks, manuals, etc.)

FRENKEL', Ye.B.; SHAKHET, G.P.; KAZAS, V.M.; KHMEL'NITSKAYA, Ye.G.;  
BRUSSER, V.M.; KAS'YANOVA, R.V.

New method of moistening fur skins and cuts in furrier work.  
Kosh.-obuv.prom. 5 no.1:28-31 Ja '63. (MIRA 16:2)  
(Fur—Dressing and dyeing)

FRENKEL', Ye.B., kand tekhn.nauk; ~~KHMEI'~~NITSKAYA, Ye.G., mladshiy nauchnyy  
sotrudnik; KAS'YANOVA, R.V., technolog

Using a steam-air mixture for moisturizing pelts and semifinished  
sections in furrier work. Nauch.-issl.trudy NIIMP no.10:65-75  
'60. (MIRA 14:4)

(Fur--Dressing and dyeing)

FRENKEL', Ye.B., kand. tekhn. nauk; KHIMEL'NITSKAYA, Ye.G., mladshiy nauchnyy  
sotrudnik; KAS'YANOVA, R.V.

Use of infrared rays for rabbit pelt drying during the dyeing of  
raw skins. Nauch. issl. trudy NIIMP no.12:39-45 '63.

Radiation-convection method for drying sheep pelts with the use  
of gas radiators. Ibid.:45-55 (MIRA 17:11)

KHMEI'NITSKAYA, Ye.

Some features of the economic development of the German Federal  
Republic. Vop.3kon.no.3:141-158 Mr '56. (MLRA 9:7)  
(Germany, West--Economic conditions)



KHMEI'NITSKAYA, Ya.

State-monopoly capitalism in Western Germany. Vop. ekon. no.

10:81-95 0 '56.

(MLRA 9:11)

(Germany, West--Economic policy)

KHME'L'NITSKAYA, Yelizaveta Leonidovna; SHCHETININ, V.D., red.;  
YEPIFANOV, M.P., red.; ROMANOVA, N.I., tekhn.red.

[Monopolistic capitalism in West Germany] Monopolisticheskii  
kapitalizm Zapadnoi Germanii. Moskva, Izd-vo IMO, 1959.  
353 p. (MIRA 13:4)  
(Germany, West--Economic conditions)

ARZUMANYAN, A.A., red.; LEMIN, I.M., doktor istoricheskikh nauk, red.;  
~~KHMELEVNITSKAYA~~, Ye.L., doktor ekonom.nauk, red.; KUCHINSKIY,  
N.N., red.izd-va; SHAMBERG, V.M., red.izd-va; GOLUB', S.P.,  
tekhn.red.

[Problems of present-day capitalism; on the eightieth birthday  
of Academician E.S.Varga; collection of articles] Problemy  
sovremennogo kapitalizma; k 80-letiyu akademika E.S.Varga;  
sbornik statei. Moskva, 1959. 398 p. (MIRA 12:12)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.  
(Economics)

GLUSHKOV, V.P., kand. ekon. nauk; POKROVSKIY, A.I., kand. ekon. nauk; VEBER, A.B., kand. istor. nauk; VASIL'KOV, N.P., kand. ekon. nauk; ARDAYEV, G.B., kand. ekon. nauk; TIMASHKOVA, O.K., kand. ekon. nauk; KEMEL'-NITSKAYA, Ye.L., doktor ekon. nauk, otv. red.; PANTELEYEV, V.I., red. izd-va; RYLINA, Yu.V., tekhn. red.

[Government ownership in Western Europe] Gosudarstvennaya sobstvennost' v stranakh Zapadnoi Evropy. Moskva, Izd-vo Akad. nauk SSSR, 1961. 463 p. (MIRA 14:11)

1. Akademiya nauk SSSR Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Sektor stran Zapadnoy Yevropy Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR (for all except Panteleyev, Rylin).

(Europe, Western—Government ownership)

KHMEI'NITSKAYA, Ye.

(P)

USSR

KHMEI'NITSKAYA, Ye., (USSR), during the period 27 Aug - 3 Sep 62, participated in an informal conference of Marxist theorists from 23 countries on both sides of the iron curtain to discuss "Problems of Modern Capitalism." The conference, sponsored by the Soviet Union, was held in Moscow under the direction of the USSR Institute of World Economics and International Relations.

FDD SUMMARY NO 4243, 23 JAN 63, OJJO

KHMELE'NITSKAYA, Ye.L., doktor ekon. nauk, prof.; LEMIN, I.M., doktor  
1st. nauk; MAKSIMOVA, M.M., kand. ekon. nauk; GONCHAROV, A.M.,  
kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; VAL'KOV,  
V.V., kand. ekon. nauk; KOLLONTAY, V.M., kand. ekon. nauk;  
ETINGER, Ya.Ya., kand. ekon. nauk; DALIN, S.A., kand. ekon. nauk;  
PUSHKIN, A.A., mlad. nauchnyy sotrud.; MOROZOV, V., red.;  
MOSKVINA, R., tekhn. red.

[Economic problems of the "Common Market."] Ekonomicheskie prob-  
lemy "Obshchego rynka." Moskva, Sotsekgiz, 1962. 510 p.  
(MIRA 16:3)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarod-  
nykh otnosheniy. 2. Institut mirovoy ekonomiki i mezhdunarodnykh  
otnosheniy Akademii nauk SSSR (for all except Morozov, Moskvina).  
(European Economic Community)

KHMELE'NITSKAYA, Ye.L., prof., doktor ekon. nauk; VOLKOV, M.Ya.,  
kand. ekon. nauk; BEL'CHUK, A.I., kand. ekon. nauk; IORDANSKAYA,  
E.N., ml. nauchn. sotr.; MENZHINSKIY, Ye.A.; PAVLOVA, M.A.,  
kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; ARDAYEV,  
G.B., kand. ekon. nauk; VAL'KOV, V.A., kand. ekon. nauk;  
TIMASHKOVA, O.K., kand. ekon. nauk; ANDREYEV, Yu.K., ml. nauchn.  
sotr.; PUSHKIN, A.A., ml. nauchn. sotr.; MAKSIMOVA, M.M., kand.  
ekon. nauk; KIRSANOV, A.V., kand. ekon. nauk; SHEBANOV, A.N.,  
ml. nauchn. sotr.

[Changes in the economic structure of the countries of Western  
Europe] *Izmeneniya v ekonomicheskoi strukture stran Zapadnoi*  
*Evropy*. Moskva, Nauka, 1965. 433 p. (MIRA 18:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

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38916  
S/181/62/004/007/022/037  
B102/B104

AUTHORS: Baru, V. G., and Khmel'nitskaya, Ye. M.

TITLE: The recombination processes in artificial PbS single crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1897-1900

TEXT: The high defect concentration (Pb - acceptors, S - donors) in artificially grown PbS single crystals is due to the nonuniformity of the temperature field when the crystal, grown in a melt, is cooled down. The statistics of the recombination processes attendant upon such thermal defects are studied theoretically. Assuming Boltzmann distribution in bands and local levels, and allowing for the fact that both types of defects form very shallow local levels, expressions are derived for the recombination rates, the defect concentrations, and the coefficients of radiative recombination. These relations are used to estimate the lifetime of the non-equilibrium carriers in dependence on the electron concentration. The curves  $\tau(n)$  show that  $\tau$  has a maximum at

f

Card 1/2



The recombination processes in ...

S/181/62/004/007/022/037  
B102/B104

$n \approx 3 \cdot 10^{15} \text{ cm}^{-3}$  and that in all cases the lifetimes are shorter in radiationless recombinations than in radiative recombination. In the latter mechanism,  $\tau$  is a function of  $n^2$ ; for p-type substances,  $\tau p^2 = 2 \cdot 10^{27} \text{ sec} \cdot \text{cm}^{-6}$ , which agrees with measurements carried out by N. S. Baryshev and I. S. Aver'yanov ( $3 \cdot 10^{27} \text{ sec} \cdot \text{cm}^{-6}$ ). There is 1 figure.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova, Leningrad (State Optical Institute imeni S. I. Vavilov, Leningrad)

SUBMITTED: March 1, 1962

Card 2/2

SOCHAVA, V.B., otv. red.; KROTOV, V.A., prof., otv.red.; GHERASIMOV, I.P.,  
sknd., red.; POKSHISHEVSKIY, V.V., prof. red.; RIKHTER, G.D.,  
prof., red.; VOROB'YEV, V.V., kand.geogr.nauk, red.; KUDINOVA,  
L.I., red.; KHMELE'NITSKAYA, Ye.S., red.; SEPPING, N.G., red.;  
PECHERSKAYA, T.I., tekhn.red.

[Geographical problems of Siberia and the Far East; results of  
the First Scientific Conference of the Geographers of Siberia and  
the Far East] Problemy geografii Sibiri i Dal'nego Vostoka; itogi  
Pervogo nauchnogo soveshchaniya geografov Sibiri i Dal'nego Vosto-  
ka. Irkutsk, Irkutskoe knizhnoe izd-vo, 1960. 133 p.

(MIRA 14:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geografii  
Sibiri i Dal'nego Vostoka. 2. Chlen-korrespondent AN SSSR (for  
Sochava)

(Siberia--Geography)

(Soviet Far East--Geography)

MALYSHEV, L.I., otv. red.; SEPPING, N.G., red.; KUMENITSKAYA,  
Ye.S., red.

[Science lectures dedicated to the memory of Mikhail  
Grigor'yevich Popov] Nauchnye chteniia pamiati Mikhaila  
Grigor'yevicha Popova. Irkutsk, Irkutskoe knizhnoe izd-vo,  
no.5. 1963. 81 p. (MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye.

GRIBOVA, Ye.A.; KHEMEL'NITSKAYA, Ye.Yu.

Analysis of mixture of ethanolamines. Zav. lab. 31 no. 7: 417-419  
'65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh polimerov  
i krasiteley.

KHMEL'NITSKAYA, Ye.Yu.; GRIBOVA, Ye.A.

Concerning the article by G.D. Gal'pern and N.N. Bezinger  
"Determination of primary, secondary, and tertiary amino  
groups when present together". Zhur. anal. khim. 19 no.11:  
1417-1418 '64. (MIRA 18:2)

KHMEL'NITSKAYA, Ye.Yu.

Analysis of 2,6-diaminopyridine by potentiometric titration.  
Zav.lab. 31 no.4:422 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh  
poluproduktov i krasiteley.

ACCESSION NR: AP4020097

S/0304/64/000/001/0052/0053

AUTHORS: Gaysin, B. M. (Engineer); Khmel'nitskaya, Yu. P. (Engineer)

TITLE: Producing complex shapes in steel castings with clean surfaces

SOURCE: Mashinostroyeniye, no. 1, 1964, 52-53

TOPIC TAGS: steel, casting, shaped casting, complex shape, cast lubricant, lubricant, zirconium die lubricant, zirconium powder, nitroenamel, 624A nitroenamel, 646 solvent

ABSTRACT: Producing casting molds by the chemical hardening method has become very popular. It could not be used, however, in casting complex shapes because of the absence of good anti-pickup materials capable of preventing cinder fragments from adhering to the steel surface. A self-drying zirconium dye was devised by the TsNIIImash for this purpose. It contains (in vol. %) zirconium powder - 53, nitro-enamel 624A -- 10-15, 646 solvent--32-37. Its specific weight is 1.9-2.0 g/cm<sup>3</sup>. Cold casting molds blown through with CO<sub>2</sub> were covered with the first layer of this dye and allowed to dry for 4-5 minutes. They were then covered by the second

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ACCESSION NR: APL020097

layer of the dye and dried for 20-30 minutes. If a double layer did not prevent the pickup, the molds were covered by three or four layers and dried for a longer period of time. The steel castings so protected were free of surface defects. The dye is characterized by its stable pigment suspension, by its high painting ability, by rapid drying in air, by the formation of a durable layer, and by fast hardening. One ton of castings required 1.5-2 kg of paint.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

Cord 2/2



*XHMEI'NITSKAYA, Z.D.*

USSR/Farm Animals - Large Horned Cattle.

Q-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83340

Author : Odynets, R.N., Yakovlev, V.G., Dokunin, A.F.,  
Mamel'nitskaya, Z.D.

Inst : Institute of Zoology and Parasitology, AS KirgSSR.

Title : The Effect of Sugar Beets upon Nitrogen, Calcium, and  
Phosphorus Metabolisms in Milch Cows.

Orig Pub : Tr. In-ta zool. i parazitol. AN KirgSSR, 1957, vyp. 6,  
231-240.

Abstract : In addition to their usual diet, Alatauian breed cows re-  
ceived 40-45 kg of fodder beets in the first series of  
tests. In the second series of tests they received in ad-  
dition to their usual diet 20 kg of sugar beets (5 kg 4  
times daily). When sugar beets were fed to the animals,  
the following blood indicators became higher: the water

Card 1/2

AFANAS'YEV, P.V.; YAKOVLEV, V.G.; FRENKEL', G.L.; KHMEL'NITSKAYA, Z.D.,

Biochemistry of thermal traumas. Izv. AN Kir. SSR no.5:121-131

'58.

(MIRA 11:7)

(Cold--Physiological effect) (Heat--Physiological effect)

KHMEI'NITSKIY, A.

The Volga-Baltic Sea Waterway is an important construction project of the seven-year plan. Volog. kari no.3:3-12 '62. (MIRA 16:12)

1. Nachal'nik "Volgobaltstroya".

KHMEI'NITSKIY, A. D.

Khmel'nitskiy, A. D. - "Study of the flywheel operation of the stone jaw crusher,"  
Nauch. trudy (Akad. kommunal. khoz-va im. Pamfilova), Issue 1, 1949, p. 43-51

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

KHMEL'NITSKIY, A.P.; KISELEVA, V.A.

*Reclaimed 1958*

Comparative investigation of the performance of a spark-ignition engine on liquefied, natural and coke gases and on gasoline.

Trudy Lab.dvig. no.5:145-166 '60.

(MIRA 14:3)

(Gas and oil engines--Testing)

3(4)

AUTHOR:

Khmel'nitskiy, A. R.

SOV/6-59-9-6/19

TITLE:

Use of the Autocrane in Geodetical Work

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 9, p 31 (USSR)

ABSTRACT:

During the field season 1958, Team Nr 108 used an autocrane for loading and unloading timber and various commercial goods, and for auxiliary operations. The timber had a diameter of from 50 to 65 cm, and a length up to 14 m. The transport was carried out on four-wheel cars complicating manual unloading.

To unload a car with 50 m<sup>3</sup> of timber, a brigade of 8 men needed 8-10 hours. By using the autocrane, the same brigade required only 2-3 hours for the same work. More than 2,000 m<sup>3</sup> of timber were unloaded from the cars in this way, and loaded onto the trucks in 1958.

Card 1/1

MALKOV, V.M.; VIKULOV, S.V., red.; DRUGOV, V.I., red.; LOGINOV,  
V.I., red.; ~~MEKHAYLOV, P.D.~~, red.; SHOROKHOV, A.N., red.;  
PARAMONOV, B.P., red.; ROMANOV, A.A., red.; NEVZOROV, V.T.,  
red.; KHMELE'NITSKIY, A.S., red.      ~~CHERNOG~~

[Volga-Baltic Sea Waterway] Volgo-balt. Vologda, Severo-  
Zapadnoe knizhnoe izd-vo, 1965. 381 p.      (MIRA 18:10)

KHMEI'NITSKIY, A.S.

Largest waterway. Transp. stroi. 14 no.6:2-4 Jo '64.

(MIRA 18:2)

1. Nachal'nik upravleniya Volgobaltstroy.



~~KHMELE'NITSKIY~~, ~~Dmitriy Georgiyevich~~ [Khmel'nyts'kyi, D.H.], kand.ekon.nauk;  
GORBENKO, Ye.M. [HOPCHENKO, YE.M.], red.; kand.ekon.nauk, red.;  
LAZARENKO, M.F., red.

[Cost of industrial production and the principal ways of reducing  
it] Sobivartist' promyslovoi produktsii ta osnovni shliakhy ii  
snyzhennia. Kyiv, 1958. 38 p. (Tovarystvo dlia poshyrenia pol-  
tychnykh i naukovykh znan' Ukrain's'koi RSR, Ser.2, no.2).

(Efficiency, Industrial)

(MIRA 12:3)

ZADOROZHNYI, Vasilii Kirillovich [Zadoroshnyi, V.K.], kand.ekon.nauk;  
KHMSL'NITSKIY, D.G. [Khsel'nyts'kyi, D.H.], kand.ekon.nauk,  
glavnyy red.; DAN'KO, I.V., otv. za vypusk

[Socialist reforms and the rising standard of living of West  
Ukrainian workers] Sotsialistychni peretvorennia i zrostantnia  
dobrobutu trudiashchykh sakhidnykh oblastei URSS. Kyiv, 1959.  
27 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh  
snan' Ukrain's'koi RSR. Ser.1, no.34) (MIRA 13:1)

1. Referent pravlinnya Tovaristva dlya poshirennya politichnikh  
i naukovikh snan' Ukrain's'koi RSR (for Dan'ko).  
(Ukraine, Western--Economic conditions)

MALAKHOV, Ivan Kuz'mich; KHMEL'NITSKIY, Dmitriy Georgiyevich [Khmel'nyts'kyi, D.H.]; BOLDYREV, R., red.; GUSAROV, K. [Gusarov, K.], tekhn.red.

[Economy, organization, and planning of machinery plants] Eko-  
nomika, organizatsiia i planuvannia mashynobudivnykh pidpryiemstv.  
Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1959. 163 p. (MIRA 13:6)  
(Machinery-Industry)

KHMEI'NITSKIY, Dmitriy Georgiyevich [Khmel'nyts'kyi, D.H.], kand. ekoncm.  
nauk, starshiy prepodavatel'; NIKOLAYEVA, L. [Nikolaieva, L.], red.;  
GAVRILET'S', D. [Havrylets', D.], tekhn. red.

[Production costs and ways to reduce them] Sobivartist' produktsii ta  
shliakhy ii znyzhennia. Kyiv, Derzh. vyd-vo polit. lit-ry URSS, 1961.  
37 p.

(Costs, Industrial)

(MIRA 14:10)

Antonov, S. A. (ENGR)

Dissertation: "An Investigation of Noise-Reducing Capacity in Reception of Radio-  
telegram signals with Antenna Array." Cand Tech Sci, Moscow Electrical Engineering  
Institute of Communications, 17 Jun 54. (Vechernyaya Moskva, Moscow, 8 Jun 54)

SO: SUM 313, 23 Dec 1954

27777

S/106/61/000/008/001/006  
A055/A127

9.327 (1139, 1159, 1867)

AUTHOR: Khmel'nitskiy, E. P.

TITLE: Anode modulation under heavy overvoltage conditions with complex load

PERIODICAL: Elektrosvyaz', no. 8, 1961, 20-25

TEXT: In his earlier articles [Ref. 1: "Ob odnom sposobe znachitel'nogo povysheniya kolebatel'noy moshchnosti i kpd generatora rabotayushchego v pere-napryazhennom rezhime" ("A method for increasing considerably the oscillating power and the efficiency of an oscillator operating under overvoltage conditions") Radiotekhnika, 1955, no. 8; Ref. 2: "Raschet generatora v perenapryazhennom rezhime pri rassstroyennoy nagruzhke" ("Calculation of an oscillator operating under overvoltage conditions with detuned load), Elektrosvyaz', 1957, no. 5, and Ref. 3: "O nekotorykh osobennostyakh analiza sil'no perenapryazhennogo rezhima generatora s kompleksnoy nagruzhkoy" ("Some peculiarities of the analysis of an oscillator operating under heavy overvoltage conditions with complex load") Elektrosvyaz', 1960, no. 5], the author did not consider the modulation problem. The present analysis is an attempt to tackle this difficult problem. The

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S/106/61/000/008/001/006  
A055/A127

Anode modulation under heavy overvoltage ...

analysis is limited to two points of the modulation characteristic in the case of a linear dependence of the oscillating voltage and current in the anode circuit upon the d-c anode voltage  $E_a$ . Under heavy overvoltage conditions, the residual voltage is negative, because  $1 < \xi = \text{constant}$  ( $\xi = U_{a1}/E_a$ ), and no increase of its positive value takes place during the transition to the peak point. It is necessary therefore to find out what, in the modulation process under these conditions, is the cause of a practically linear relation between the fundamental frequency current and  $E_a$ :

$$I_{a1} = f(E_a).$$

The first step in this analysis is, of course, the examination of the change in the pulse shape. The trough width  $\theta_1$  and the shift of its center  $\psi$  are related, as shown in one of the earlier works, by the following expression:

$$\varphi_1 = \arccos \frac{1}{\xi} = \frac{\psi + 0.5 \theta_1 - \varphi_{11}}{2},$$

where  $\varphi_1$  is the phase angle between the anode current and the load voltage at the fundamental frequency, and  $\varphi_{11}$  is the shift of the fundamental frequency current amplitude from the pulse center.  $\varphi_1$  being constant at modulation, and  $\xi$

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A055/A127

Anode modulation under heavy overvoltage ...

being stable, an investigation leads the author to the following conclusions:  
1) the point determining the left-hand limit of the trough is practically constant at modulation; 2)  $\psi$  and  $\theta_1$  do not vary. The method used by the author for the calculation of the modulated oscillator is based on these conclusions. Under the here examined operation conditions, the lower cutoff angle  $\theta$  varies considerably (together with  $E_g$ ). To study this process, the author uses, after a slight modification, another formula derived in one of his earlier articles:

$$U_g = \frac{I_{sm}}{S(1 - \cos \theta)} - D(e_{a1} + e_{a2} + e_{a3})$$

where  $(e_{a1} + e_{a2} + e_{a3})$  is the resulting a-c anode voltage at the moment  $\omega t = 0$ . This equation can also be written as follows:

$$\frac{I_{a1}}{S(U_g - DE_a)} = \alpha_1 (1 - \cos \theta).$$

[Abstracter's note: This analysis being a further development of the author's earlier articles, the same formulae, symbols and subscripts are used without any explanation, save in a few cases.]. To calculate the modulated oscillator, it is adequate, here, to find first all the data for the quiescent condition and use then these data for the calculation of the necessary data for the peak point.

Card 3/4



Anode modulation under heavy overvoltage ...

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S/106/61/000/008/001/006  
A055/A127

For simplicity, a practical (numerical) example is used by the author to show how all these data can be calculated. There are 5 figures and 3 Soviet-bloc references.

SUBMITTED: February 10, 1961

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Card 4/4

KHMEI'NITSKIY, E.Ye.

Calculating the heat transfer ratio of the radiators of motor vehicles. Avt. prom. 31 no.2:26-30 F '65.

(MIRA 18:3)

1. TSentral'nyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

SOV/113-59-2-13/20

AUTHORS: Minkin, M.L., Candidate of Technical Sciences, and Khmel'-  
nitskiy, E.Ye.

TITLE: Some Experience in the Production of Plate Radiators (Iz  
opyta proizvodstva plastinchatykh radiatorov)

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 2, pp 27-28 (USSR)

ABSTRACT: The author describes the tests conducted by NAMI with plate  
radiators, used in "Moskvich" automobiles, upon request from  
the Moscow Small-Displacement Car Plant. The tests showed  
that the heat emission of the radiators can be increased up  
to 10% by using corrugated plates (Fig 2) with ridges and  
cavities. Furthermore, the use of copper instead of brass  
for their construction would further increase the heat  
emission by 16-18%. There are 1 photograph, 2 graphs, and  
4 Soviet references.

ASSOCIATION: NAMI; Moskovskiy zavod malolitrazhnykh avtomobiley (Moscow  
Small ~~Displacement~~ Car Plant)

Card 1/1

MINKIN, M.L., kand.tekhn.nauk; KHMELE'NITSKIY, B.Ye.; SHAYEVICH, A.G.; KARAVAYEV, V.I.

New radiators for the ZIL motor vehicles. Avt.prom. no.9:10-14  
S '60. (MIRA 13:9)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy avtomotornyy institut i Moskovskiy avtogavod imeni Likhacheva.

(Motor vehicles--Radiators)

MINKIN, M.L., kand. tekhn. nauk; KHMEL'NITSKIY, E.Ye.; SHAYEVICH, A.G.; KANAVAYEV, B.I.; PAPIN, A.A.

Increasing the effectiveness of cooling systems for automobile engines. Avt. prom. no.2:10-13 P '61. (MIRA 14:1)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotorny institut i Moskovskiy avtozavod imeni Likhacheva.

(Automobiles--Engines--Cooling)

KHMEI'NITSKIY, E.Ye.

Criteria and methods for evaluating thermal effectiveness  
of motor-car radiator cores. Avt.prom. 28 no.10:22-26 0  
'62. (MIRA 15:9)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znamei  
nauchno-issledovatel'skiy avtomobil'nyy i avtomotorny institut.  
(Motor vehicles--Radiators)

L 58849-05 EWT(G)/EED-2/ENP(1) Pg-4/Pg-4/Pk-4 IJP(c) BB/30

ACCESSION NR 621 374 32

NR 621 374 32

621 374 32

1. THESE ARE THE RESULTS OF THE RESEARCH ON THE QUALITY OF THE

RESULTS OF THE RESEARCH ON THE QUALITY OF THE

SOURCE: Priboystroyeniye, no. 5, 1965, 14-15

TOPIC TAGS binary counter, AND NOT element, universal logical element

ABSTRACT: A binary counter is briefly described in which each of the two largest units is a universal element. Universal AND-NOT element is described. A circuit diagram is given and the results of the research are discussed. The results of the research are discussed. The results of the research are discussed.

ADDITIONAL INFORMATION

SUBMITTED

EXCL: 00

NO REF COPY

OTHER: 000

Enk 4/1

KHMEL'NITSKIY, F. M.

20141 KHMEL'NITSKIY, F. M. Gemangioma pecheni. Vrachev. delo, 1949, No. 6, stb. 557-58

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949



KHIMEL'NITSKIY, F.M., kandidat meditsinskikh nauk

Experience in organizing rural surgical aid in gastroduodenal hemorrhage caused by ulcers. Sov.med. 20 no.12:69-71 D '56.  
(MLRA 10:1)

1. Iz Kirovogradskoy oblastnoy bol'nitsy.  
(PEPTIC ULCER, hemorrhage  
surg. management in village)

KHMEI'NITSKIY, G.I.

Automatic welding of longitudinal bearers in the frame of  
freight cars. Avtom.-svar. 17 no.7:61-63 J1 '64. (MIRA 17:8)

1. Dneprodzerzhinskiy vagonostroitel'nyy zavod.

KHREL'NITSKIY, G.; BABITSKIY, D.; PERL'MAN, L.

Construction Industry - Accounting

Organization of calculations in construction, Sov. fin., 13, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

KHMEI'NITSKIY, G.

Shortcomings in the control of the Industrial Bank. Fin. SSSR 16  
no.5:38-40 My '55. (MLBA 8:6)  
(Ukraine--Banks and banking)

KHML'NITSKIY, Georgiy Semenovich; KARAGODIN, V.L., redaktor; AVRUSHCHENKO,  
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Preparation of thiophene and its homologs from alcohols

The thiophene ring is a five-membered aromatic heterocycle consisting of four carbon atoms and one sulfur atom. It is a colorless, odorless liquid with a boiling point of 84°C and a melting point of -38°C. Thiophene is a common component in many natural products and is also used in the synthesis of various pharmaceuticals and polymers.

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KHMELE NITSKIY, E.I.

Preparation of thioetheric compounds from saturated hydrocarbons

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